

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-55. (Cancelled)

56. (Currently Amended) A filter for filtration and elimination of Legionella Pneumophila in any installation at risk from Legionella Pneumophila proliferation comprising:

a filter selected from the group consisting of non woven fabric, filtering injector structures and sheets, said filter is formed from fibers cut or in monofilaments and their mixtures; each of said fibers previously treated with an anti-bacterial compound and a biocide so that the anti-bacterial compound and said biocide are ~~[[is]]~~ integrated into all of the body and core of said fiber so that the treated fibers exhibit anti-bacterial properties at temperatures above 200°C;

said anti-bacterial compound is Triclosan (2,4,4'-trichloro-2'-hydroxyphenyl ether); ~~selected from the group consisting of: silver derivatives, phenoxyhalogenate derivatives with transporters, permethrine derivatives, isothiazolinone derivatives, tetraalkylamine silicons, organozinc compounds,~~

Appl. No. 10/594,283Our Docket: 15508NP

~~zirconium phosphates, sodium, triazine, oxazolidines,
isotiazolines, hermi-formals, ureides, isocyanates, chlorine
derivatives, formaldehydes, and carbendazime,~~

said biocide is 1-bromo-3-chloro-5,5-dimethylhydantoin;

said fibers are selected from the group consisting of:

a) natural polymer chemical fibers which have or have not
been modified,

b) synthetic polymer chemical fibers,

c) glass fibers,

d) carbon fibers,

e) other fibrous materials,

f) bicomponents, and

g) polycomponents

said filter is further defined as being constructed of at
least two layers of non-woven fabrics so as to form a sandwich of
layers; wherein said sandwich of layers is a mixture of non-woven
fabrics;

that is formed with the mixture of two non-woven fabrics, or
optionally said filter being constructed with a non-woven fabric
and polypropylene, polyethylene, polyester, glass fiber, steel,
aluminum or foam supports; and

wherein the filter eliminates Legionella Pneumophila.

Appl. No. 10/594,283Our Docket: 15508NP

57. (Currently Amended) A filter for filtration and elimination of Legionella Pneumophila in any installation at risk from Legionella Pneumophila proliferation comprising:

a filter selected from the group consisting of non woven fabric, filtering injector structures and sheets, said filter is formed from fibers cut or in monofilaments and their mixtures; each of said fibers previously treated with an anti-bacterial compound and a biocide so that the anti-bacterial compound and said biocide is integrated into all of the body and core of said fiber so that the treated fibers exhibit anti-bacterial properties at temperatures above 200°C;

said anti-bacterial compound is Triclosan (2,4,4'-trichloro-2'-hydroxyphenyl ether); ~~selected from the group consisting of: silver derivatives, phenoxyhalogenate derivatives with transporters, permethrine derivatives, isothiazolinone derivatives, tetraalkylamone silicons, organozinc compounds, zirconium phosphates, sodium, triazine, oxazolidines, isotiazolines, hermi-formals, ureides, isocyanates, chlorine derivatives, formaldehydes, and carbendazine,~~

said biocide is 1-bromo-3-chloro-5,5-dimethylhydantoin;

said fibers are selected from the group consisting of:

a) natural polymer chemical fibers which have or have not been modified,

Appl. No. 10/594,283Our Docket: 15508NP

- b) synthetic polymer chemical fibers,
- c) glass fibers,
- d) carbon fibers,
- e) other fibrous materials,
- f) bicomponents, and
- g) polycomponents

said filter is further defined as being constructed from a non-woven fabric and a component selected from the group consisting of polypropylene, polyethylene, polyester, glass fiber, steel, aluminum and foam supports; wherein the filter eliminates Legionella Pneumophila.

58-61. (Cancelled).

62. (Previously Presented) The filter of claim 56 wherein said fiber is a synthetic polymer chemical fiber.

63. (Previously Presented) The filter of claim 56 wherein said synthetic polymer chemical fiber is polypropylene.

64. (Previously Presented) The filter of claim 57 wherein said fiber is a synthetic polymer chemical fiber.

Appl. No. 10/594,283Our Docket: 15508NP

65. (Previously Presented) The filter of claim 57 wherein said synthetic polymer chemical fiber is polypropylene.

66. (Cancelled).

67. (Currently Amended) A filter for filtration and elimination of Legionella Pneumophila in any installation at risk from Legionella Pneumophila proliferation comprising:

a filter selected from the group consisting of non woven fabric, filtering injector structures and sheets, said filter is formed from fibers cut or in monofilaments and their mixtures; each of said fibers previously treated with an anti-bacterial compound and a biocide so that the anti-bacterial compound and said biocide are [[is]] integrated into all of the body and core of said fiber so that the treated fibers exhibit anti-bacterial properties at temperatures above 200°C;

said anti-bacterial compound is Triclosan (2,4,4'-trichloro-2'-hydroxyphenyl ether);

said biocide is 1-bromo-3-chloro-5,5-dimethylhydantoin;

said fibers are synthetic polymer chemical fibers;

said filter is further defined as being constructed from a non-woven fabric and a component selected from the group consisting of polypropylene, polyethylene, polyester, glass

Appl. No. 10/594,283Our Docket: 15508NP

fiber, steel, aluminum and foam supports;

wherein the filter eliminates Legionella Pneumophila.

68. (Previously Presented) A filter of claim 56 wherein said sandwich further includes a non woven fabric support.

69. (Previously Presented) A filter for filtration and elimination of Legionella Pneumophila in any installation at risk from Legionella Pneumophila proliferation of claim 56 wherein:

said fibers are of:

- a range of deniers from 0.02 to 1,500 deniers;

- a cross section selected from the group consisting of:

- circular, square, elliptical, hollow, trilobal, flat and similar;

- a length in the range of 0.1mm to 500mm or continuous filaments;

- a weight of 5 to 2,500 grams;

- a fusion point of 60° C to 450° C; and

- a color from translucent white to black and any combinations thereof.